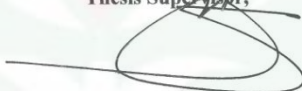


Title of Thesis : The Effect of Cooperative Learning Model Group Investigation Type toward Students' Learning Outcome on Vibration and Wave Subject Grade VIII SMP Negeri 1 Lubuk Pakam Academic Year 2013/2014

Name : James Wilson
ID. Number : 4103322005
Study Program : Physics Bilingual Education
Department : Physics

Approved By:
Thesis Supervisor,



Dr. Ridwan Abd. Sani, M.Si
ID. 19640610 198803 1 017

Acknowledge By:

Head of Physics Department, Coordinator of Bilingual Program,

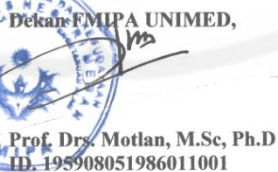


Dr. Derlina, M.Si
ID. 19640321 199003 2 001



Prof. Dr. rer.nat. Binari Manurung, M.Si
ID. 19640404 198903 1 006



Dekan FMIPA UNIMED,

Prof. Drs. Motlan, M.Sc, Ph.D
ID. 195908051986011001

Date of Examination: July 15th 2014

